



Express Mail No.: EL 451 599 814 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Chen *et al.*

Application No.: 09/204,865

Group Art Unit: 1634

Filed: December 3, 1998

Examiner: F. Lu

For: METHODS AND
APPARATUS FOR
FLOW-THROUGH
HYBRIDIZATION

Attorney Docket No.: 9584-006-999

AMENDMENT AND RESPONSE UNDER 37 C.F.R. § 1.113

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Applicants have carefully considered the final Office Action mailed November 20, 2002, in connection with the above-captioned application. Reconsideration of the claims in light of the amendments and remarks that follow is respectfully requested. Enclosed herewith are Exhibit A, a marked up version of the amended claims, Exhibit B, a copy of the claims as pending after entry of this amendment, a Notice of Appeal, and a Petition for Extension of Time extending the period for response by one month to and including **March 20, 2003**.

AMENDMENT

IN THE CLAIMS

Please cancel claims 68-71.

Please amend claims 78-82 as follows:

78. (Amended) The flow-through device of Claim 72, 73, 74, 75, 76 or 77 in which said capture polynucleotide is covalently attached to the porous substrate.

79. (Amended) The flow-through device of Claim 72, 73, 74, 75, 76 or 77 in which said porous substrate has a void volume in the range of about 1 $\mu\text{l}/\text{cm}^2$ to about 100 $\mu\text{l}/\text{cm}^2$.